

Applicant : Kenneth L. Davis
Serial No. : 10/005,482
Filed : November 7, 2001
Page : 2 of 14

Attorney's Docket No.: 15786-034001

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A computer-implemented method comprising:
accessing a computer aided design (CAD) model information;
determining a complexity value for a CAD model from the CAD model information; ~~and~~
determining a design schedule for designing the CAD model on a computer based at least
in part on the complexity value;
receiving an indication of a user identifier;
retrieving a user log associated with the user identifier; and
determining a user level value based on the user log;
where determining a design schedule includes determining a design schedule based at
least in part on the user level value and the complexity value.
2. (Previously Presented) The method of claim 1, further comprising:
receiving user input modifying the CAD model information; and
in response to receiving the user input modifying the CAD model information, updating
the determined design schedule.
3. (Cancelled)
4. (Previously Presented) The method of claim 1, further comprising retrieving a user log
associated with a user; and
determining a user level value based on the user log;
where determining a design schedule includes determining a design schedule based at
least in part on the user level value and the complexity value.

Applicant : Kenneth L. Davis
Serial No. : 10/005,482
Filed : November 7, 2001
Page : 3 of 14

Attorney's Docket No.: 15786-034001

5. (Previously Presented) The method of claim 1, where accessing the CAD model information comprises accessing one or more of an indication of a part family of the CAD model, a part type associated with the CAD model, or one or more operations associated with the CAD model.
- 6-7. Cancelled.
8. (Currently Amended) A computer implemented method comprising: The method of claim 1,
accessing a computer aided design (CAD) model information;
determining a complexity value for a CAD model from the CAD model information; and
determining a design schedule for designing the CAD model on a computer based at least in part on the complexity value and where determining a design schedule is further based on a
user level value that indicates a skill level of a user to design the CAD model.
9. (Previously Presented) The method of claim 1, further comprising:
determining an estimated time to design a part represented by the CAD model;
determining an actual time to design the part, where an actual time represents an actual time to design a part having a same part type;
comparing the actual time to design the part with the estimated time to design the part;
and
if the actual time differs from the estimated time by more than a threshold value, then determining a design schedule further comprises determining a design schedule further based on the actual time.
- 10-19. Cancelled.

Applicant : Kenneth L. Davis
Serial No. : 10/005,482
Filed : November 7, 2001
Page : 4 of 14

Attorney's Docket No.: 15786-034001

20. (Currently Amended) A storage medium having stored therein a plurality of instructions that are machine executable, wherein when executed, the executing instructions are operable to:
- access a computer aided design (CAD) model information;
 - determine a complexity value for a CAD model from the CAD model information; ~~and~~
 - determine a design schedule for designing the CAD model on a computer based at least in part on the complexity value;
 - receive an indication of a user identifier;
 - retrieve a user log associated with the user identifier; and
 - determine a user level value based on the user log;
 - where instructions operable to determine a design schedule include instructions operable to determine a design schedule based at least in part on the user level value and the complexity value.
21. (Previously Presented) The storage medium of claim 20, wherein the executing instructions are further operable to:
- receive user input modifying the CAD model information; and
 - update the determined design schedule in response to the user input.
22. (Cancelled)
23. (Previously Presented) The storage medium of claim 20, where the executing instructions are further operable to retrieve:
- a user log associated with a user; and
 - determine a user level value based on the user log;
 - where determining a design schedule includes determining a design schedule based at least in part on the user level value and the complexity value.

Applicant : Kenneth L. Davis
Serial No. : 10/005,482
Filed : November 7, 2001
Page : 5 of 14

Attorney's Docket No.: 15786-034001

24. (Previously Presented) The storage medium of claim 20, where the executing instructions operable to access the CAD model information include executing instructions operable to access one or more of an indication of a part family associated with the CAD model, a part type associated with the CAD model, or one or more operations associated with the CAD model.

25-26. Cancelled

27. (Currently Amended) ~~The storage medium of claim 20, wherein the executing instructions that operate to determine a design schedule include executing instructions further operable to~~ A storage medium having stored therein a plurality of instructions that are machine executable, wherein when executed, the executing instructions are operable to:

access a computer aided design (CAD) model information;
determine a complexity value for a CAD model from the CAD model information; and
determine a design schedule for designing the CAD model on a computer based at least in part on the complexity value and ~~determine a design schedule~~ further based on a user level value that indicates a skill level of a user to design the CAD model.

28. (Previously Presented) The storage medium of claim 20, wherein the executing instructions further operate to:

determine an estimated time to design a part associated with the CAD model;
determine an actual time to design the part, where an actual time represents an actual time to design a part having a same part type;
compare the estimated time to design the part with the actual time to design the part; and
if the actual time differs from the estimated time by greater than a threshold value, then to determine a design schedule further based on the actual time.

29-38. Cancelled .

Applicant : Kenneth L. Davis
Serial No. : 10/005,482
Filed : November 7, 2001
Page : 6 of 14

Attorney's Docket No.: 15786-034001

39. (Currently Amended) An apparatus comprising:
a storage medium having stored therein a plurality of instructions that are machine executable, wherein when executed, the executing instructions are operable to:
access a computer aided design (CAD) model information;
determine a complexity value for a CAD model corresponding to the CAD model information; and
determine a design schedule for designing the CAD model on a computer based at least in part on the complexity value associated with the CAD model; and
receive an indication of a user identifier;
retrieve a user log associated with the user identifier; and
determine a user level value based on the user log; and
a processor coupled to the storage medium to execute the instructions.
40. (Previously Presented) The apparatus of claim 39, wherein the executing instructions are further operable to:
receive user input modifying the CAD model information; and
update the determined design schedule in response to the user input.
41. (Cancelled)
42. (Previously Presented) The apparatus of claim 39, wherein the executing instructions are further operable to:
retrieve a user log associated with a user; and
determine a user level value based on the user log;
wherein determining a design schedule includes determining a design schedule based at least in part on the user level value and the complexity value.

Applicant : Kenneth L. Davis
Serial No. : 10/005,482
Filed : November 7, 2001
Page : 7 of 14

Attorney's Docket No.: 15786-034001

43. (Previously Presented) The apparatus of claim 39, wherein the executing instructions operable to access the CAD model information include executing instructions operable to access one or more of an indication of a part family associated with the CAD model, a part type associated with the CAD model, or one or more operations associated with the CAD model.

44-45. Cancelled.

46. (Currently Amended) An apparatus comprising:
a storage medium having stored therein a plurality of instructions that are machine
executable, wherein when executed, the executing instructions are operable to:
access a computer aided design (CAD) model information;
determine a complexity value for a CAD model corresponding to the CAD
model information; and
determine a design schedule for designing the CAD model on a computer based at
least in part on the complexity value associated with the CAD model and ~~The apparatus of claim~~
~~39, wherein the executing instructions operable to determine a design schedule include executing~~
~~instructions operable to determine a design schedule~~ further based on a user level value that
indicates a skill level of a user to design the CAD model; and
a processor coupled to the storage medium to execute the instructions.

47. (Previously Presented) The apparatus of claim 39, wherein the executing instructions are further operable to:
determine an estimated time to design a part associated with the CAD model;
determine an actual time to design the part, where an actual time represents an actual time to design a part having a same part type;
compare the estimated time to design the part with the actual time to design the part; and
if the actual time differs from the estimated time by greater than a threshold value, then determine a design schedule further based on the actual time.

48-57. Cancelled.

Applicant : Kenneth L. Davis
Serial No. : 10/005,482
Filed : November 7, 2001
Page : 8 of 14

Attorney's Docket No.: 15786-034001

58. (Previously Presented) The method of claim 1, wherein determining a complexity value includes determining a complexity value based at least upon a number or type of operations associated with a previously designed CAD model.
59. (Previously Presented) The method of claim 1, wherein a complexity value represents a complexity associated with designing the CAD model.
60. (Previously Presented) The storage medium of claim 20, wherein the executing instructions operable to determine a complexity value include executing instructions operable to determine a complexity value based at least upon a number or type of operations associated with a previously designed CAD model.
61. (Previously Presented) The storage medium of claim 20, wherein a complexity value represents a complexity associated with designing a CAD model.
62. (Previously Presented) The apparatus of claim 39, wherein the executing instructions operable to determine a complexity value include executing instructions operable to determine a complexity value based at least upon a number or type of operations associated with a previously designed CAD model.
63. (Previously Presented) The apparatus of claim 39, wherein a complexity value represents a complexity associated with designing a CAD model.
- 64-72. Cancelled.
73. (New) The method of claim 8, further comprising:
receiving user input modifying the CAD model information; and
in response to receiving the user input modifying the CAD model information, updating the determined design schedule.
74. (New) The method of claim 8, further comprising retrieving a user log associated with a user and determining the user level value based on the user log.

Applicant : Kenneth L. Davis
Serial No. : 10/005,482
Filed : November 7, 2001
Page : 9 of 14

Attorney's Docket No.: 15786-034001

75. (New) The method of claim 8, where accessing the CAD model information comprises accessing one or more of an indication of a part family of the CAD model, a part type associated with the CAD model, or one or more operations associated with the CAD model.
76. (New) The method of claim 8, further comprising:
determining an estimated time to design a part represented by the CAD model;
determining an actual time to design the part, where an actual time represents an actual time to design a part having a same part type;
comparing the actual time to design the part with the estimated time to design the part;
and
if the actual time differs from the estimated time by more than a threshold value, then determining a design schedule further comprises determining a design schedule further based on the actual time.
77. (New) The method of claim 8, wherein determining a complexity value includes determining a complexity value based at least upon a number or type of operations associated with a previously designed CAD model.
78. (New) The method of claim 8, wherein a complexity value represents a complexity associated with designing the CAD model.
79. (New) The storage medium of claim 27, wherein the executing instructions are further operable to:
receive user input modifying the CAD model information; and
update the determined design schedule in response to the user input.
80. (New) The storage medium of claim 27, where the executing instructions are further operable to retrieve a user log associated with a user and determine the user level value based on the user log.

Applicant : Kenneth L. Davis
Serial No. : 10/005,482
Filed : November 7, 2001
Page : 10 of 14

Attorney's Docket No.: 15786-034001

81. (New) The storage medium of claim 27, where the executing instructions operable to access the CAD model information include executing instructions operable to access one or more of an indication of a part family associated with the CAD model, a part type associated with the CAD model, or one or more operations associated with the CAD model.
82. (New) The storage medium of claim 27, wherein the executing instructions further operate to:
- determine an estimated time to design a part associated with the CAD model;
 - determine an actual time to design the part, where an actual time represents an actual time to design a part having a same part type;
 - compare the estimated time to design the part with the actual time to design the part; and
 - if the actual time differs from the estimated time by greater than a threshold value, then to determine a design schedule further based on the actual time.
83. (New) The storage medium of claim 27, wherein the executing instructions operable to determine a complexity value include executing instructions operable to determine a complexity value based at least upon a number or type of operations associated with a previously designed CAD model.
84. (New) The storage medium of claim 27, wherein a complexity value represents a complexity associated with designing a CAD model.
85. (New) The apparatus of claim 46, wherein the executing instructions are further operable to:
- receive user input modifying the CAD model information; and
 - update the determined design schedule in response to the user input.
86. (New) The apparatus of claim 46, wherein the executing instructions are further operable to retrieve a user log associated with a user and determine a user level value based on the user log.

Applicant : Kenneth L. Davis
Serial No. : 10/005,482
Filed : November 7, 2001
Page : 11 of 14

Attorney's Docket No.: 15786-034001

87. (New) The apparatus of claim 46, wherein the executing instructions operable to access the CAD model information include executing instructions operable to access one or more of an indication of a part family associated with the CAD model, a part type associated with the CAD model, or one or more operations associated with the CAD model.

88. (New) The apparatus of claim 46, wherein the executing instructions are further operable to:

- determine an estimated time to design a part associated with the CAD model;
- determine an actual time to design the part, where an actual time represents an actual time to design a part having a same part type;
- compare the estimated time to design the part with the actual time to design the part; and
- if the actual time differs from the estimated time by greater than a threshold value, then determine a design schedule further based on the actual time.

89. (New) The apparatus of claim 46, wherein the executing instructions operable to determine a complexity value include executing instructions operable to determine a complexity value based at least upon a number or type of operations associated with a previously designed CAD model.

90. (New) The apparatus of claim 46, wherein a complexity value represents a complexity associated with designing a CAD model.